PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT
Patent Counsel Attn. Winter, Catherine J.	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
Fairfield, Connecticut 06828	
ONTIED STRIES OF TRIENZON	(PCT Rule 44.1)
	Date of mailing (day/month/year) 10/05/2005
Applicant's or agent's file reference	
(08CL) 123149	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date (day/month/year)
PCT/US2004/039467	(day/month/year) 24/11/2004
Applicant	
GENERAL ELECTRIC COMPANY	_
<u>'</u>	Action Due 5.
1. The applicant is hereby notified that the international search Authority have been established and are transmitted herew	h report a இருறாகு ypinion of the முரிக்கம்nal Searching
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clair When? The time limit for filing such amendments is not international Search Report; however, for more Where? Directly to the International Bureau of WIPO, 3: 1211 Geneva 20, Switzerland, For more detailed instructions, see the notes on the account of the international search Article 17(2)(a) to that effect and the written opinion of the international search article 17(2)(a) to that effect and the written opinion of the international search article 17(2)(a) to that effect and the written opinion of the international search article 17(2)(a) to that effect and the written opinion of the international search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) and the written opinion of the international search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) and the written opinion of the international search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional search article 17(2)(a) to the protest against payment of (an) additional sea	rmally 2 months from the date of transmittal of the edetails, see the notes on the accompanying sheet. 4 chemin des Colombettes ascimile No.: (41–22) 740.14.35 companying sheet. h report will be established and that the declaration under international Searching Authority are transmitted herewith.
the protest together with the decision thereon has been applicant's request to forward the texts of both the protest; the approximately applicant in the protest; the approximately applicant is applicant.	en transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices. oplicant will be notified as soon as a decision is made.
4. Reminders Shortly after the expiration of 18 months from the priority date, to international Bureau. If the applicant wishes to avoid or postpone application, or of the priority claim, must reach the International Ele	e publication, a notice of withdrawal of the international Bureau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bis.</i> 3, respectively, anal publication.
The applicant may submit comments on an Informal basis on the International Bureau. The International Bureau will send a copy of international preliminary examination report has been or is to be the public but not before the expiration of 30 months from the pri	of such comments to all designated Offices unless an established. These comments would also be made available to
Within 19 months from the priority date, but only in respect of so examination must be filed if the applicant wishes to postpone the date (in some Offices even later); otherwise, the applicant must, acts for entry into the national phase before those designated Of	e entry into the national phase until 30 months from the priority within 20 months from the priority date, perform the prescribed
In respect of other designated Offices, the time limit of 30 month months.	
See the Annex to Form PCT/IB/301 and, for details about the ap Guide, Volume II, National Chapters and the WIPO Internet site	
Name and mailing address of the International Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kay Taylor
Form PCT/ISA/220 (January 2004) Due: U	(See notes on accompanying sheet
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a damand for international preliminary examination has been in filed, see below.

Ho⇔?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The emendments must be made in the language in which the international application is to be published.

What documents must/may accompany the emendments?

Latter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or Franch, at the choice of the applicant. However, if the language of the international application in English, the letter must be in English; if the language of the international application is Franch, the letter must be in Franch.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed:
- (v) the claim is the result of the division of a claim as filed.

The following exemples libustrate the manner in which amendments must be explained in the ecompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

fi must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for intermetional preliminary examination has already been filled

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

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NIETRAL ELECTRIC CO.

(PCT Article 18 and Rules 43 and 44)

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Applicant's or ac	gent's file reference	FOR FURTHER		see Form PCT/ISA/220
(08CL) 123	3149	ACTION		l as, where applicable, item 5 below.
International app	plication No.	International filing date (day/mon	th/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004	4/039467	24/11/2004	1	26/11/2003
Applicant				
GENERAL EL	LECTRIC COMPANY			
This Internation	onal Search Report has been uticle 18. A copy is being tra	n prepared by this International Sea ansmitted to the International Burea	arching Aut au.	hority and is transmitted to the applicant
This Internatio	nal Search Report consists	of a total ofs	neets.	
X	It is also accompanied by	a copy of each prior art document	cited in this	report.
1. Basis of t	the report			
a. With re	egard to the language, the	international search was carried ou less otherwise indicated under this		sis of the international application in the
	The international this Authority (Ru		s of a transl	lation of the international application furnished to
b. 🗌	With regard to any nucle	otide and/or amino acid sequenc	e disclosed	in the international application, see Box No. I.
2.	Certain claims were fou	and unsearchable (See Box II).		
3.	Unity of invention is lac	king (see Box III).		
4. With regar	rd to the title ,			
	the text is approved as su	ubmitted by the applicant.		
X	the text has been establis	shed by this Authority to read as foll	ows:	
AUTHEN	NTICATING ARTICLE	ES; METHOD, ARTICLES	AND POL	YMERS
5 With regar	rd to the abstract,			
S. Will regar	the text is approved as su	ibmitted by the applicant.		
	the text has been establis	shed, according to Rule 38.2(b), by	this Authori	ty as it appears in Box No. IV. The applicant
_	may, within one month fro	om the date of mailing of this interna	ational searc	ch report, submit comments to this Authority.
6. With regar	rd to the drawings ,			
1	•	published with the abstract is Figure	No4_	
	as suggested by t	the applicant.		
	as selected by thi	is Authority, because the applicant I	lailed to sug	gest a figure.
		is Authority, because this figure bett	ter characte	erizes the invention.
b. 📙	none of the figures is to be	e published with the abstract.		

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/039467

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11823/28 G118 G11B23/38 G11B7/24 G09F3/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G11B G09F IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) **EPO-Internal** C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 6 365 904 B1 (GRAVES TODD L) 1-16 2 April 2002 (2002-04-02) column 3 - column 7 X US 2003/052305 A1 (COATES DAVID ET AL) 1 - 1620 March 2003 (2003-03-20) paragraphs '0118! - '0126! P,X DE 102 48 870 A1 (GIESECKE & DEVRIENT 1 - 16GMBH) 29 April 2004 (2004-04-29) paragraphs '0001!, '0211! - '0015!, '0025! - '0032! US 2002/142236 A1 (IWASAKI HIROKO ET AL) 1-16 3 October 2002 (2002-10-03) paragraphs '0002!, '0079! - '0081!; figures 2,3,9 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 April 2005 10/05/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 Tel. (+31-70) 340-3016 Tex: (+31-70) 340-3016 Damp, S

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INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/039467

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Ta
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 5 430 277 A (OHNO ET AL) 4 July 1995 (1995-07-04) columns 2,3	1-16
4	WO 00/77104 A (THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY) 21 December 2000 (2000-12-21) the whole document	1-16
4	US 6 091 563 A (THOMAS, III ET AL) 18 July 2000 (2000-07-18) the whole document	1-16
4	GB 2 345 879 A (* B & H LIQUID CRYSTAL DEVICES LIMITED) 26 July 2000 (2000-07-26) the whole document	1-16
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US2004/039467

	tent document in search report		Publication date		Patent family member(s)	Publication date
US	6365904	B1	02-04-2002	NONE		
US	2003052305	A1	20-03-2003	DE	10039377 A1	08-03-2001
				GB	2355987 A ,B	09-05-2001
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				ΑU	9582698 A	12-04-1999
				DE	69809953 D1	16-01-2003
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				JP	2001517847 T	09-10-2001
				TW	403885 B	01-09-2000
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				US	6359745 B1	19-03-2002
			US	6181662 B1	30-01-2001	
			US	6264107 B1	24-07-2001	
				US	6266211 B1	24-07-2001
				US 	6459545 B1	01-10-2002
GR	2345879	Α	26-07-2000	NONE		

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